April 2010

HF Happenings 401

"The reason lightning doesn't strike twice in the same place is that the same place isn't there the second time." - Willie Tyler
(Thanks, Ray, ND8L)

May RAE

The closing date for entries for the May 2010 Radio Amateur Examination is 12:00 CAT on Friday 23 April 2010. Please take note that no late entries will be accepted at all.

Any queries can be directed to Mariska at the SARL office. Please visit the SARL home page for contact details and the application forms.

WIA Centenary QRP contest

The VK QRP club is sponsoring a low power contest during May to commemorate the Centenary of organised amateur radio in Australia.

All three grades of Australian licence can join this one, provided they limit their output power to five-watts CW and 10 Watts for AM and SSB.

The contest will be on the 40m and 80m bands. Operate each evening in May
between 1000 to 1300 UTC and then submit an entry for your best 20 days.

More details and the contest rules can be found on the WIA website.

2011 SARL Contest Manual

Radio clubs and individual radio amateurs are invited to use the 2010 SARL Contest Manual as basis to start the process of creating the 2011 SARL Contest Manual. Ideas, suggestions and comments must be submitted to the Contest Manager/Committee by 31 August 2010. From this, a draft 2011 Contest Manual will be created and this document will be circulated for comment. It is planned to have the 2011 SARL Contest Manual ready for publication by 15 December 2010.

The First Rookie Roundup - Coming 18 April

The ARRL's newest contest - the Rookie Roundup - is getting a lot of buzz among newly licensed amateurs. Designed as a modern equivalent to the ARRL Novice Roundup from a few decades ago, this new incarnation combines a competitive event with some on-the-air training. The first Rookie Roundup is scheduled for 18 April and will be an SSB contest. The Rookie Roundup is six hours of fun on a Sunday afternoon that is designed to give new hams a chance to get their feet wet on HF and 6 metres. Old-timers are encouraged to get on the air and work the Rookies, just as in they did in the Novice Roundups. The six-hour event - from 18:00 – 23:59 UTC - will be held on the third Sunday of April, August and December. SSB, RTTY and CW will be featured in the different months.

South African Radio League 1925 – 2010 Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union Region 1
HF Happenings via Yahoo Groups HF_Happenings-subscribe@yahoogroups.com

WARD 2010 Award

Amateur Radio: Combining communication experience with modern digital techniques

Every year, amateur radio operators all over the world celebrate 18 April as a holiday. This day, also known as the World Amateur Radio Day, marks the anniversary of International Amateur Radio Union formation on 18 April 1925.

The Polish Radio Amateurs' Journal QTC and PZK issue a commemorative award – the WARD Award – every year in recognition of this event.

Rules:

1. The award is available for any 20 QSOs/HRDs on HF or any 10 QSOs/HRDs on VHF+

2. Only QSOs/HRDs made on 18 April are valid for this award.

3. Contacts with any licensed Amateur Radio operators all over the world are valid for this award.

4. Log extract and €5 or $7 (USD) is required to obtain the award.

5. The award applications should be sent to qtc[at]post[dot]pl

6. The award is available in two formats:

A - A beautiful paper award that contains the individual award holder call sign with the original seals and signatures. Those who wish to receive the paper version of the award should submit a fee of 5€ or $7 (USD) to this address: Redakcja QTC, Suchacz-Zamek, 82-340 Tolkmicko, Poland. The award has a multi-colour finish, formatted to A4 paper size. The funds may also be sent via PayPal to the following e-mail address qtc[at]post[dot]pl

or

B - an electronic award that contains all 2010 award holder call signs. The electronic award format is free of charge.

7. A new award is available every year (each of them has a new layout).

8. For additional information contact qtc[at]post[dot]pl

WRTC-2010

With the July event dates coming soon, the WRTC-2010 committee has made a few announcements. First, Don, G3XTT, has been added to the WRTC Judging Committee. Don's long experience with the IOTA Contest makes him a natural choice. Stefano, IK2QEI, has been named Team Leader for Team EU#1, replacing Matteo, IZ3EYZ, who resigned for personal reasons. Other personal circumstances have led to new team mates: N6AA is the new partner of K7RL, HA6PX is now paired with HA3OV, and HI3TEJ is looking for a new team mate. Replacing VE7AHA and ZS4TX as Referees, N2GA and RA9USU have been selected from the list of backups. It was also learnt that corporate sponsor Samsung Russia will be providing 100 LCD monitors for use in the WRTC stations - thank you, Samsung! Look for the WRTC2010 booth at Day-

April 2010

ZS10WCS operated by the Northern Cape ARC

1 SARL 80 Metre QSO Party
2 Good Friday; World Autism Day
3 Two Oceans Marathon; April RaDAR contest
4 Easter Sunday
5 Family Day; Closing date SARL VHF/UHF logs
7 World Health Day; Closing date SARL Club contest logs
10 PIC Course, Durban
11 SARL President's Net
12 Schools Open
16 Closing date SARL 80 Metre QSO logs
17 World Haemophilia Day; 2010 SA AMSAT Space Symposium
17/18 IARU Region 1 EC Meeting, Sofia, Bulgaria
18 World Amateur Radio Day; Autumn QRP Sprint
19 Closing date RaDAR logs
22 Lyrids meteor shower, 21:07 CAT
23 Africa Malaria Day
23/24 SARL National Convention, Port Elizabeth
26 School holiday
27 Freedom Day

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ton - committee member Andy, UA3AB, and North American representative Krassy, K1LZ, will be there. Complete information on these WRTC2010 updates is available on the event's Web site. [The ARRL Contest Update]

Two-radio controller for SO2R operation

Joe, W4TV, writes to announce micro2R [http://www.microham-usa.com/Products/micro2R.html] the newest two-radio controller for SO2R operation from microHAM. [http://www.microham-usa.com/]. The controller is designed for any amateur with two transceivers and any control interface. It provides automatic or manual control of headphone audio and transmitter selection, and is compatible with the automatic modes of the most popular contest logging programs. micro2R uses either USB or LPT control, includes a proven WinKey 2 CW keyer, support for ether electret or dynamic microphones, a UART compatible FSK port for each radio, and built-in support for the voice keyer capabilities of the most popular contesting software. [The ARRL Contest Update]

Stub filters

Let us say you have some scraps of surplus CATV hardline - not long enough for antenna feed lines, but what radio amateur could throw them away? David, K1TTT, suggests making stub filters [http://www.k1ttt.net/technote/techref.html#filters] out of them. Assume a velocity factor of 0,81 to 0,83 (or measure it with an antenna analyser) and create your own set of high-Q RF filters. The lower loss of hardline, compared to flexible coax, will result in better cancellation of the undesired signal. [The ARRL Contest Update]

African DX

Reunion Island, FR. Stephane, F5UOW, will be vacationing on Reunion Island (IOTA AF-016, DIFO FR-001, WLOTA LH-1812) between 9 April and 2 May 2010. From 9 - 17 April he will sign FR/F5UOW on 20 m. Then he will move to another QTH from which he will sign TO2R, trying to be active from 80 – 10 m, mostly CW. QSL via home call.

Chagos Islands, VQ9. After a successful stateside tour activating some 85 grids on the satellites, Jim, ND9M, is once again active as VQ9JC from Diego Garcia (AF-006) for 4 months. Activity will be on CW, SSB and the Digital modes. Look for Jim to use the call sign VQ90JC at the end of May to the beginning of June. He is also planning to be in the CQ WW WPX CW Contest (29 and 30 May). QSL via ND9M, direct or by the Bureau.

Chad, TT. Phil, F4EGS will be active once again from Chad for two months starting on 10 April 2010. The call sign is not known at this moment but it will certainly be his old TT8PK, he used at least four times in the past. More information to follow. He will be active in his spare time on 40 - 10 metres, using CW, SSB and a little RTTY, using a FT-850 into an old R7. QSL via F4EGS, direct (QRZ.com) or via the bureau. Skeds are possible at cocheese37[at]msn[dot]com

Senegal, 6V7. Luc, F5RAV, will once again be active from La Somone between 25 October and 1 November. He will be operating from the QTH of Jean-Francois, 6W7RV, as 6V7T. Activity will be on SSB and PSK31, and on 160 - 10 metres (including 17 and 12 m with a dipole only). He is planning to participate in the CQ WW DX SSB Contest (30 and 31 October). QSL via only direct to his home call sign. See details on QRZ.com. Also, visit his BLOG page at http://f5rav.free.fr

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Cape Verde, D4. Xara, D44TD, has been active on 10 metres around 12:00 UTC and 12 metres around 16:00 UTC. QSL via CT1EKF.

Cape Verde Islands, AF-086. Michel, HB9BOI, will be active as D44TOI from the north of Sal Island (WLOTA LH-0610) between 1 and 13 July. Activity will be on all HF bands. QSL via his home call sign, direct or by the Bureau.

QSL 5R8AL. Phil Whitchurch, G3SWH, reports he has been appointed as the QSL manager for Alain, 5R8AL. "The logs for 5R8AL's historic operations from 1975 to early 2010 are on paper and have not been uploaded to the ARRL's Log Book of the World", Phil says. "On-going logs will be available to me in an electronic format and will be uploaded as they become available". Details on G3SWH's QSLing policy, as well as an on-line bureau card request form, can be found at g3swh.org.uk

Club News

The John Vorster Technological Secondary School Radio Club, ZS6JVT, will have a flea market stating at 08:30 CAT on Saturday 8 May 2010. The Club can be found at 1072 Meyer Street, Rietfontein, Pretoria.

Changes made to the QRP Contest on Sunday 18 April

Geoff Levey, ZS6GRL, of the West Rand Amateur Radio Club, reports that points 5, 7 and 9 of the Autumn QRP Sprint rules have changed (and it will also be implemented for the Spring QRP Sprint.

Autumn QRP Sprint

1. Aim. This is a fun activity to promote QRP contacts between radio amateurs in Southern African countries (General Rules para 1.b.)
2. Date and Time. The third Sunday of April from 12:00 to 14:00 UTC [14:00 to 16:00 CAT]. 18 April 2010 - World Amateur Radio Day
3. Categories and Power
Portable or Fixed Station
CW or Phone or Mixed
Power - 5 watt, 1 watt or 100 milliwatt
4. Exchange. The exchange is RS(T) and year first licensed (e.g. 59 89)
5. Frequency and Modes
40 metre band (Contest preferred segments)
Modes permissible are SSB and CW.
A station may be worked once on CW and once on phone per band.
Cross-band or cross-mode operation is not permitted
6. Antennas. Only wire antennas may be used
7. Scoring
Each contact counts 2 points
Each prefix worked counts 2 points [ZU1 = 2; ZR2 = 2; ZS3 = 2, etc]
Power multiplier: 1 for 5 watts; 5 for 1 watt; 10 for 100 mw

Score = [(No of QSO's X 2) X (No of prefixes X 2) X (Power multiplier)]

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8. Log Sheets. Log sheets shall be submitted within 15 days after the contest and can be sent by mail to the West Rand Amateur Radio Club, PO Box 5344, Weltevredenpark, 1725 or by e-mail to glevey[at]gmail[dot]com.
The closing date for log submissions is 3 May 2010.

9. Results and awards. All the logs are evaluated as one group, regardless of the station's category status, mode or power used. A list of call signs with their scores and placements will be made available within a week of the closing date. The 1st, 2nd and 3rd place positions will receive a certificate for their achievement.

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 12 to 19 April 2010.

CWops Mini-CWT Test
11:00 - 12:00 UTC 14 April; 19:00 - 20:00 UTC 14 April and 03:00 - 04:00 UTC 15 April
Mode: CW
Bands: 80, 40 and 20 m
Classes: Single Op – QRP, Low or High
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
Exchange: Member: Name and Member No; non-Member: Name and state, province or country
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: Each call once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 04:00 UTC 17 April 2010
Post log summary at:
http://www.hornucopia.com/3830score/
Mail logs to: (none)
Find rules at:
http://www.cwops.org/onair.html

RSGB 80 m SSB Club Championship
19:00 - 20:30 UTC 14 April
Mode: SSB
Bands: 80 m Only
Classes: (none)
Exchange: RS and Serial No
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: (see rules)
Submit logs by: 21 April 2010
Upload log at:

http://www.vhfcc.org/cgi-bin/hfenter.pl
Mail logs to: (none)
Find rules at:
http://www.rsgbcc.org/hf/rules/2010/r80m cc.shtml

NCCC Sprint Ladder
02:30 - 03:00 UTC 16 April
Mode: CW
Bands: 160, 80, 40 and 20 m
Classes: Single Op
Max power: 100 watts
Exchange: (see rules)
Work stations: Once per band
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 18 April 2010
E-mail logs to: (none)
Post log summary at:
http://www.hornucopia.com/3830score/
Mail logs to: (none)
Find rules at:
http://www.ncccsprint.com/rules.html

Holyland DX Contest
21:00 UTC 16 April to 21:00 UTC 17 April
Mode: CW, SSB, Digital

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Bands: 160, 80, 40, 20, 15 and 10 m
Classes: Single Op – CW, SSB, Digital or Mixed; Single Op QRP; Multi-Single; SWL
Max power: non-QRP: >10 watts; QRP: 10 watts
Exchange: 4X: RS(T) and area; non-4X: RS(T) and Serial No
Work stations: Once per band per mode
QSO Points: 2 points per QSO on 160 – 40 m; 1 point per QSO on 20 – 10 m
Multipliers: Each 4X area once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 31 May 2010
E-mail logs to: 4Z4KX[at]iarc[dot]org
Mail logs to: Contest Manager 4Z4KX, Israel Amateur Radio Club, Box 17600, Tel Aviv 61176, Israel
Find rules at:
http://www.iarc.org/?page_id=983

TARA Skirmish Digital Prefix Contest
00:00 - 24:00 UTC 17 April
Mode: PSK, RTTY, Hell, MFSK, MT63, Throb, ASCII, SSTV, Domino EX, ALE400, Packet
Bands: 160, 80, 40, 20, 15, 10 and 6 m
Classes: High; Low; Great; QRP; SWL
Max power: High: legal limit; Low: 100 W; Great: 20 W; QRP: 5 W
Exchange: Name and prefix
Work stations: Once per band
Multipliers: Each prefix once
Power mult: high = x0.5, low = x1, great = x2, QRP = x3
Score Calculation: Total score = total QSOs x total prefixes x power mult
Submit logs by: 16 May 2010
E-mail logs to: (none)
Post log summary at:
http://n2ty.org/seasons/tara_dpx_score.html
Mail logs to: (none)
Find rules at:
http://www.n2ty.org/seasons/tara_dpx_rules.html

ES Open HF Championship

05:00 – 05:59 UTC 17 April; 06:00 – 06:59 UTC 17 April; 07:00 – 07:59 UTC 17 April and 08:00 – 08:59 UTC 17 April
Mode: CW, SSB
Bands: 80, 40 m
Classes: Single Op Mixed; Single Op CW; Single Op SSB; Multi-Single; SWL
Exchange: RS(T) and Serial No
Work stations: Once per band per contest period
QSO Points: 2 points per CW QSO; 1 point per SSB QSO
Multipliers: Each ES region prefix (ES1 - ES0) once per band per mode
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 20 May 2010
E-mail logs to: esopen[at]erau[dot]ee
Mail logs to: Toomas Soomets, ES5RY, P O Box 177, Tartu 50002, Estonia
Find rules at:
http://www.erau.ee/modules.php?op=modload&name=Info&file=index&req=viewarticle&artid=64

EU Spring SSB Sprint
16:00 - 19:59 UTC 17 April
Mode: SSB
Bands: 80, 40 and 20 m
Classes: Single Op – Low or High
Max power: HP: >100 W; LP: 100 W
Exchange: your call sign, other station's call sign, Serial No and name
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 2 May 2010
E-mail logs to: eusprint[at]kkn[dot]net
Mail logs to: Hrvoje Horvat, 9A6XX, 25 Rujan 4, HR-52000 Pazin, Croatia
Find rules at:
http://www.eusprint.com/index.php?page=140&lang=g

Michigan QSO Party
16:00 UTC 17 April to 04:00 UTC 18 April
Mode: CW, SSB

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Bands: 80, 40, 20, 15 and 10 m

Classes: Single Op – QRP, Low or High; Multi-Single; Multi-Multi; Mobile Solo Op (LP only); Mobile Multi-Op (LP only)

MI EOC

Max power: HP: >100 W; LP: 100 W; QRP: 5 W

Exchange: MI: Serial No. and county; non-MI: Serial No and state, province or "DX"

Work stations: Once per band per mode

QSO Points: 1 point per SSB QSO; 2 points per CW QSO

Multipliers: MI Stations: Each state and province once per mode; non-MI Stations: Each MI county once per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 17 May 2010

E-mail logs to: logs[at]miqp[dot]org

Mail logs to: Mad River Radio Club, c/o Dave Pruett, 2727 Harris Road, Ypsilanti, MI 48198, USA

Find rules at: http://www.miqp.org/Rules.htm

EA-QRP CW Contest

17:00 - 20:00 UTC 17 April (20 – 10 m); 20:00 - 23:00 UTC 17 Apr (80 m); 07:00 - 11:00 UTC 18 April (40 m) and 11:00 - 13:00 UTC 18 April (20 – 10 m)

Mode: CW

Bands: 80, 40, 20, 15 and 10 m

Classes: A: Single Op QRPp; B: Single Op QRP

Max power: QRP: 5 watts; QRPp: 1 watt

Exchange: RST, 1-letter category and "M" (if EA-QRP member)

Work stations: Once per band

QSO Points: 1 points per QSO with same country; 2 points per QSO with same continent; 4 points per QSO with different continent; 5 points per QSO with category A station

Multipliers: Each EA-QRP member once per band

Each country once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 18 May 2010

E-mail logs to: eaqrp_test[at]yahoo[dot]es

Mail logs to: Vocalia de concursos (Concurso CW), PO Box 17, E-16080, Cuenca, Spain

Find rules at:

http://www.eaqrp.com/concurso/test_eaqrp_cw-en.htm

Ontario QSO Party

18:00 UTC 17 April to 05:00 UTC 18 April and 12:00 - 18:00 UTC 18 April

Mode: CW, Phone

Bands: 160, 80, 40, 20, 15, 10, 6 and 2 m

Classes: Fixed: Multi-Single; Fixed: Multi-Multi; Fixed: Single Op – QRP, Low or High; Fixed: Single Op CW – Low or High; Fixed: Single Op Phone – Low or High; Rover/Mobile: Multi-Op; Rover/Mobile: Single Op

Max power: HP: >150 W; LP: 150 W; QRP: 5 W

Exchange: ON: RS(T) and county; non-ON: RST and state, province or country

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points CW QSO

Bonus: 300 points for each ON multiplier activated by a Rover/Mobile (at least 3 QSOs with 3 different stations)

10 points per QSO with VA3CCO, VE3ODX or VA3RAC

Multipliers: ON Stations: Each ON county, state, province and country once per band; non-ON Stations: each ON county once per band

Score Calculation: Total score = (total QSO points x total mults) and Bonus Points

Submit logs by: 19 May 2010

Upload log at:

http://cco.ve3xd.com/oqp/submitlog.htm

Mail logs to: Contest Club Ontario, PO Box 93149, Burlington, Ontario L7M 4A3, Canada

Find rules at:

http://cco.ve3xd.com/oqp/rules.htm

Feld Hell Sprint

20:00 - 22:00 UTC 17 April

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: (none)

Max power: 100 watts

Exchange: (see rules)
Work stations: Once per band
QSO Points: (see rules)
Bonus Points: (see rules)
Multipliers: Each state, province and country once only
Score Calculation: Total score = (total QSO points x total mults) and bonus points
Submit logs by: 1 May 2010
E-mail logs to: (none)
Post log summary at:
http://sites.google.com/site/feldhellclub/Home/contests
Mail logs to: (none)
Find rules at:
http://sites.google.com/site/feldhellclub/Home/contests

YU DX Contest
21:00 UTC 17 April to 05:00 UTC 18 April and 09:00 - 17:00 UTC 18 April
Mode: CW
Bands: 160, 80, 40, 20, 15 and 10 m
Classes: Lower Bands – QRP, Low or High; Upper Bands – QRP, Low or High
Max power: HP: legal limit; LP: 100 watts; QRP: 5 watts
Exchange: RST and ITU Zone No
Work stations: Once per band
QSO Points: 1 point per QSO between stations using YU or YT prefixes; 2 points per QSO with same continent; 4 points per QSO with different continent
Multipliers: Each ITU zone once per band; Each YU or YT prefix once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 18 May 2010
E-mail logs to: yudx[at]yu1srs[dot]org[dot]rs
Mail logs to: Savez Radio-amatera Srbije, YU DX Contest, PO Box 48, 11001 Beograd, Serbia
Find rules at:
http://www.yu1srs.org.rs/dl/yudx/Files/yudxrules_2010_eng.pdf

ARRL Rookie SSB Roundup
18:00 - 23:59 UTC 18 April
Mode: SSB
Bands: 80, 40, 20, 15, 10 and 6 m
Classes: Single Op Rookie; Non-Rookies
Max power: 100 watts
Exchange: Name, 2-digit year first licensed and state, province, XE area or DX
Work stations: Once per band
QSO Points: 1 point per QSO with non-rookie; 2 points per QSO with rookie
Multipliers: Each US state and DC once; Each VE province once; Each XE call area once; One DX once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 00:10 UTC 19 April 2010
E-mail logs to: (none)
Upload log at: (real time logging, see rules)
Mail logs to: (none)
Find rules at:
http://www.arrl.org/rookie-roundup

Run for the Bacon QRP Contest
01:00 - 03:00 UTC 19 April
Mode: CW
Bands: 160, 80, 40, 20, 15 and 10 m
Classes: Single Band; All Band
Max power: 5 watts
Exchange: RST, state, province or country and Member No or power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent
Multipliers: Each state, province or country once
Multiply mults by 2 if >50 members worked
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 25 April 2010
E-mail logs to: (none)
Upload log at:
http://www.fpqrp.com/autolog.php
Mail logs to: (none)
Find rules at:
http://www.fpqrp.com/fpqrprun.php

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Next Week's Contests

AWA John Rollins Memorial DX Contest, 23:00 UTC 21 April to 23:00 UTC 22 April and 23:00 UTC 24 April to 23:00 UTC 25 April

RSGB 80 m Data Club Championship, 19:00 - 20:30 UTC 22 April

NCCC Sprint Ladder, 02:30 - 03:00 UTC 23 April

10-10 International Spring CW Contest, 00:01 UTC 24 April to 23:59 UTC 25 April

SP DX RTTY Contest, 12:00 UTC 24 April to 12:00 UTC 25 April

Helvetia Contest, 13:00 UTC 24 April to 12:59 UTC 25 April

QRP to the Field, 15:00 UTC 24 April to 03:00 UTC 25 April

Florida QSO Party, 16:00 UTC 24 April to 01:59 UTC 25 April and 12:00 - 21:59 UTC 25 April

Nebraska QSO Party, 17:00 UTC 24 April to 17:00 UTC 25 April

This week in History

Starting Monday 12 April 2010

1846 - The telegraph ticker tape machine was patented by R. E. House.

1879 - H. L'Estrange makes first Australian parachute drop from a balloon over Melbourne.

1894 - Edison displays motion picture 'peep show' in New York.

1900 - First military (Royal Navy) use of wireless in the Anglo Boer War over a distance of 85 km.

1912 - Titanic sinks, radio use results in saving many lives.

1923 - Lee DeForest's Phonofilm, the first sound-on-sound film and motion picture.

1934 - Highest wind velocity of 371,6 km/h measured at Mt Washington, New Hampshire, USA.

Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Maurice, F5NQL, Southgate ARC and Pete's DX Newsdesk.

Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.

Remember to share your copy of HF Happenings with your radio amateur friends and club members – even those you do not like. Pass it along your club e-mail list

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